

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
WO 2005/061538 A3

## (51) International Patent Classification:

*A61K 39/00* (2006.01)      *A61P 27/00* (2006.01)  
*A61K 48/00* (2006.01)      *A61P 29/00* (2006.01)  
*A61P 35/00* (2006.01)      *A61P 43/00* (2006.01)

[SE/SE]; Rimmargatan 3, S-167 71 Bromma (SE). **HOLM-GREN**, Lars [SE/SE]; Snäckvägen 14, S-167 53 Bromma (SE).

## (21) International Application Number:

PCT/EP2004/014573

(74) Agent: **PILKINGTON, Stephanie**; Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).

## (22) International Filing Date:

20 December 2004 (20.12.2004)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

## (25) Filing Language:

English

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

## (26) Publication Language:

English

## (30) Priority Data:

0330079.5      20 December 2003 (20.12.2003)      GB

*[Continued on next page]*

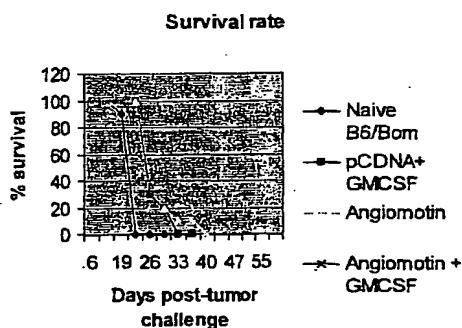
(71) Applicant (*for all designated States except US*): **BIOINVENT INTERNATIONAL AB** [SE/SE]; Sölvegatan 41, S-223 70 Lund (SE).

## (72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KIESSLING, Rolf**

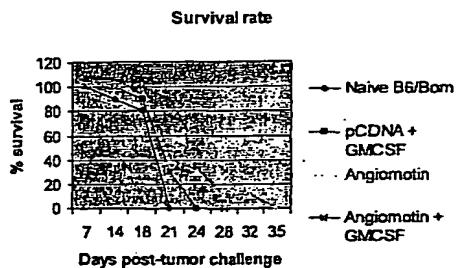
## (54) Title: VACCINE COMPRISING AN ANGIOMOTIN OR A POLYNUCLEOTIDE ENCODING AN ANGIOMOTIN AND ITS USES FOR THE TREATMENT OF ANGIOGENIC-RELATED DISORDERS

A



(57) Abstract: A vaccine for preventing formation of blood vessels, for example neoangiogenesis, as well as repressing existing vascularization associated with tumors and other diseases, comprising angiotonin, for example as a whole molecule or fragment thereof or encoded as a gene or mRNA, or administered as dendritic cells (DC cells) expressing angiotonin, which may be utilized to generate immune responses to the angiotonin molecule. Inhibition of angiogenesis and delay in tumor outgrowth in animal models of cancer is achieved.

B





FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

**(88) Date of publication of the international search report:**

23 February 2006